



IDS - 10/24/2006

OCT 24 2006

PTO/SB/08A (09-06)

Approved for use through 03/31/2007. OMB 0651-0031

U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

Substitute for form 1449/PTO

**INFORMATION DISCLOSURE  
STATEMENT BY APPLICANT**

(Use as many sheets as necessary)

**Complete if Known**

Application Number	10/803,258
Filing Date	March 18, 2004
First Named Inventor	Brannon et al
Art Unit	3672
Examiner Name	Tsay
Attorney Docket Number	020569-01802 (P203-1318B-US)

Sheet 1 of 8

**U. S. PATENT DOCUMENTS**

Examiner Initials*	Cite No. <sup>1</sup>	Document Number	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number-Kind Code <sup>2</sup> (if known)			
FT		US- 2005/0028976 A1	02-10-2005	Nguyen et al	
		US- 2005/0019574 A1	01-2005	McCrary	
		US- 2004/0224165 A1	12-04-2003	Barron et al	
		US- 2004/0023818 A1	02-05-2004	Nguyen et al	
		US- 2004/0023812 A1	02-05-2004	England et al	
		US- 2003/0224165 A1	12-04-2003	Anderson et al	
		US- 2003/0050432 A1	03-2003	Ramesh et alq	
		US- 7,036,591 B1	05-02-2006	Canan et al	
		US- 7,066,258 B1	06-07-2006	Justus et al	
		US- 7,086,460 B1	07-19-2006	Nguyen	
		US- 6,892,813 B2	04-27-2005	Nguyen et al	
		US- 6,830,105	12-14-2004	Theising et al	
		US- 6,766,817 B2	07-27-2004	Dias da Silva	
		US- 6,749,025 B1	06-15-2004	Brannon et al	
		US- 6,742,590	06-01-2004	Nguyen	
		US- 6,725,931	04-27-2004	Nguyen et al	
		US- 6,705,400	03-16-2004	Nguyen et al	
		US- 6,667,261 B1	12-23-2003	Anshits et al	
		US- 6,640,897	11-04-2003	Misselbrook et al	

**FOREIGN PATENT DOCUMENTS**

Examiner Initials*	Cite No. <sup>1</sup>	Foreign Patent Document	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages Or Relevant Figures Appear	T <sup>6</sup>
		Country Code <sup>3</sup> Number <sup>4</sup> Kind Code <sup>5</sup> (if known)				
		GB 2319796 B	03-06-1998	BJ Services Company		
		EP 0308257 A2	03-22-1989	Minnesota Mining		
		CA 2329834 A1	06-28-2002	Rio Tinto Fer et Titane		
FT		WO 02/26656 A1	04-04-2002	Fairmount Minerals		

Examiner Signature	Date Considered
-----------------------	--------------------

\*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. <sup>1</sup> Applicant's unique citation designation number (optional). <sup>2</sup> See Kinds Codes of USPTO Patent Documents at [www.uspto.gov](http://www.uspto.gov) or MPEP 901.04. <sup>3</sup> Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). <sup>4</sup> For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. <sup>5</sup> Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST.16 if possible. <sup>6</sup> Applicant is to place a check mark here if English language Translation is attached.

This collection of information is required by 37 CFR 1.97 and 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

If you need assistance in completing the form, call 1-800-PTO-9199 (1-800-786-9199) and select option 2.

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

Substitute for form 1449/PTO

**INFORMATION DISCLOSURE  
STATEMENT BY APPLICANT**

(Use as many sheets as necessary)

**Complete if Known**

Application Number	10/803,258
Filing Date	March 18, 2004
First Named Inventor	Brannon et al
Art Unit	3672
Examiner Name	Tsay
Attorney Docket Number	020569-01802 (P203-1318B-US)

Sheet **2** of **8****U. S. PATENT DOCUMENTS**

Examiner Initials*	Cite No. <sup>1</sup>	Document Number Number-Kind Code <sup>2</sup> (if known)	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
FT		US- 6,632,527 B1	10-14-2003	McDaniel	
		US- 6,528,157	03-04-2003	McDaniel et al	
		US- 6,503,676 B2	01-07-2003	Yamashita et al	
		US- 6,439,310 B1	08-27-2002	Scott III et al	
		US- 6,439,309	08-27-2002	Matherly et al	
		US- 6,372,678	04-2002	Youngman et al	
		US-			
		US- 6,328,105	12-11-2001	Betzold	
		US- 6,315,041	11-13-2001	Carlisle	
		US- 6,311,773	11-2001	Todd et al	
		US- 6,211,120 B1	04-03-2001	Welch et al	
		US- 6,194,355 B1	02-27-2001	Jarrett et al	
		US- 6,114,410	09-05-2000	Betzold	
		US- 6,079,492	06-27-2000	Hoogteerjling et al	
		US-			
		US- 6,047,772	04-11-2000	Weaver et al	
		US- 5,964,291	10-1999	Bourne et al	
		US- 5,960,878	10-1999	Nguyen et al	
FT		US- 5,955,144	09-21-1999	Sinclair et al	

**FOREIGN PATENT DOCUMENTS**

Examiner Initials*	Cite No. <sup>1</sup>	Foreign Patent Document Country Code <sup>3</sup> Number <sup>4</sup> Kind Code <sup>5</sup> (if known)	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages Or Relevant Figures Appear	T <sup>6</sup>

Examiner Signature	Date Considered
--------------------	-----------------

\*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. <sup>1</sup> Applicant's unique citation designation number (optional). <sup>2</sup> See Kinds Codes of USPTO Patent Documents at [www.uspto.gov](http://www.uspto.gov) or MPEP 901.04. <sup>3</sup> Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). <sup>4</sup> For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. <sup>5</sup> Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST.16 if possible. <sup>6</sup> Applicant is to place a check mark here if English language Translation is attached.

This collection of information is required by 37 CFR 1.97 and 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

If you need assistance in completing the form, call 1-800-PTO-9199 (1-800-786-9199) and select option 2.

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

Substitute for form 1449/PTO

**INFORMATION DISCLOSURE  
STATEMENT BY APPLICANT**

(Use as many sheets as necessary)

**Complete if Known**

Application Number	10/803,258
Filing Date	March 18, 2004
First Named Inventor	Brannon et al
Art Unit	3672
Examiner Name	Tsay
Attorney Docket Number	020569-01802 (P203-1318B-US)

Sheet **3** of **8****U. S. PATENT DOCUMENTS**

Examiner Initials*	Cite No. <sup>1</sup>	Document Number	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number-Kind Code <sup>2</sup> (if known)			
FT		US- 5,950,727	09-1999	Irani	
		US- 5,948,734	09-07-1999	Sinclair	
		US- 5,924,488	07-20-1999	Nguyen et al	
		US- 5,837,656	11-17-1998	Sinclair	
		US- 5,799,734	09-01-1998	Norman et al	
		US- 5,699,860	12-23-1997	Grundmann	
		US- 5,604,184	02-18-1997	Ellis et al	
		US- 5,597,784	01-28-1997	Sinclair et al	
		US- 5,582,249	12-10-1996	Caveny et al	
		US- 5,547,506	08-20-1996	Rae et al	
		US- 5,515,920	05-14-1996	Luk	
		US- 5,492,178	02-20-1996	Nguyen	
		US- 5,443,633	08-1995	Hirsbrunner et al	
		US- 5,422,183	06-01-1995	Sinclair et al	
		US- 5,305,832	04-26-1994	Satyanarayana et al	
		US- 5,240,654	08-31-1993	Smith et al	
		US- 5,175,133	12-29-1992	Smith et al	
		US- 5,069,283	12-03-1991	Mack	
FT		US- 4,923,714	05-08-1990	Gibb et al	

**FOREIGN PATENT DOCUMENTS**

Examiner Initials*	Cite No. <sup>1</sup>	Foreign Patent Document	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages Or Relevant Figures Appear	T <sup>6</sup>
		Country Code <sup>3</sup> -Number <sup>4</sup> -Kind Code <sup>5</sup> (if known)				

Examiner Signature		Date Considered	
--------------------	--	-----------------	--

\*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. <sup>1</sup> Applicant's unique citation designation number (optional). <sup>2</sup> See Kinds Codes of USPTO Patent Documents at [www.uspto.gov](http://www.uspto.gov) or MPEP 901.04. <sup>3</sup> Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). <sup>4</sup> For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. <sup>5</sup> Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST.16 if possible. <sup>6</sup> Applicant is to place a check mark here if English language Translation is attached.

This collection of information is required by 37 CFR 1.97 and 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

If you need assistance in completing the form, call 1-800-PTO-9199 (1-800-786-9199) and select option 2.

**If you need assistance in completing the form, call 1-800-PTO-9199 (1-800-786-9199) and select option 2.**

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

Substitute for form 1449/PTO		<b>Complete if Known</b>	
		Application Number	10/803,258
<b>INFORMATION DISCLOSURE STATEMENT BY APPLICANT</b> (Use as many sheets as necessary)		Filing Date	March 18, 2004
		First Named Inventor	Brannon et al
		Art Unit	3672
		Examiner Name	Tsay
		Attorney Docket Number	020569-01802 (P203-1318B-US)
Sheet	5	of	8

U. S. PATENT DOCUMENTS					
Examiner Initials*	Cite No. <sup>1</sup>	Document Number	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number-Kind Code <sup>2</sup> (if known)			
FT		US- 3,888,311	06-10-1975	Cooke	
		US- 3,659,651	05-02-1972	Graham	
		US- 3,492,147	01-27-1970	Young	
		US- 3,335,796	08-15-1967	Parker, Jr.	
		US- 3,149,673	09-22-1964	Pennington	
		US- 3,089,542	05-14-1963	Kolodny	
		US- 2,966,457	12-1960	Starmann et al	
		US- 2,596,843	05-13-1952	Farris	
		US- 2005/0244641 A1	11-03-2005	Vincent	
		US- 2005/0016732 A1	01-27-2005	Brannon et al	
		US- 2004/0040708 A1	03-04-2004	Stephenson et al	
		US- 4,887,670	12-19-1989	Lord et al	
		US- 7,036,597	05-2006	O'Brien et al	
		US- 7,036,590	05-2006	Harris	
		US- 7,001,872	02-2006	Pyecroft et al	
		US- 6,579,947	06-17-2003	Heitz et al	
		US- 6,209,643 B1	04-03-2001	Nguyen et al	
		US- 6,172,011 B1	01-09-2001	Card et al	
FT		US- 6,138,760	10-31-2000	Lopez et al	

FOREIGN PATENT DOCUMENTS						
Examiner Initials*	Cite No. <sup>1</sup>	Foreign Patent Document	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages Or Relevant Figures Appear	T <sup>6</sup>
		Country Code <sup>3</sup> -Number <sup>4</sup> -Kind Code <sup>5</sup> (if known)				

Examiner Signature		Date Considered	
--------------------	--	-----------------	--

\*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. <sup>1</sup> Applicant's unique citation designation number (optional). <sup>2</sup> See Kinds Codes of USPTO Patent Documents at [www.uspto.gov](http://www.uspto.gov) or MPEP 901.04. <sup>3</sup> Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). <sup>4</sup> For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. <sup>5</sup> Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST.16 if possible. <sup>6</sup> Applicant is to place a check mark here if English language Translation is attached.

This collection of information is required by 37 CFR 1.97 and 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

If you need assistance in completing the form, call 1-800-PTO-9199 (1-800-786-9199) and select option 2.

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

Substitute for form 1449/PTO

**INFORMATION DISCLOSURE  
STATEMENT BY APPLICANT**

(Use as many sheets as necessary)

**Complete if Known**

Application Number	New Application
Filing Date	October 19, 2006
First Named Inventor	Brannon et al
Art Unit	3672
Examiner Name	Tsay
Attorney Docket Number	020569-01802 (P203-1318B-US)

Sheet **6** of **8****U. S. PATENT DOCUMENTS**

Examiner Initials*	Cite No. <sup>1</sup>	Document Number	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number-Kind Code <sup>2</sup> (if known)			
FT		US- 6,116,342	09-12-2000	Clark et al	
		US- 6,070,666	06-06-2000	Montgomery	
		US- 5,964,289	10-1999	Hill	
		US- 5,921,317	07-13-1999	Dewprashad et al	
		US- 5,916,933	06-29-1999	Johnson et al	
		US- 5,908,073	06-01-1999	Nguyen et al	
		US- 5,501,275	03-26-1996	Card et al	
		US- 5,439,055	08-08-1995	Card et al	
		US- 5,435,391	07-1995	Jones	
		US- 5,425,421	06-1995	Coleman et al	
		US- 5,330,005	07-19-1995	Card et al	
		US- 5,103,905	04-14-1992	Brannon et al	
		US- 4,830,794	05-16-1989	Edgley et al	
		US- 4,829,100	05-09-1989	Murphey et al	
		US- 4,502,967	05-05-1985	Conway	
		US- 4,506,734	03-26-1985	Nolte	
		US- 4,421,167	12-20-1983	Erbstoesser et al	
		US- 4,216,829	08-12-1980	Murphey	
FT		US- 4,074,760	02-21-1978	Copeland et al	

**FOREIGN PATENT DOCUMENTS**

Examiner Initials*	Cite No. <sup>1</sup>	Foreign Patent Document	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages Or Relevant Figures Appear	T <sup>6</sup>
		Country Code <sup>3</sup> -Number <sup>4</sup> -Kind Code <sup>5</sup> (if known)				

Examiner  
SignatureDate  
Considered

\*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. <sup>1</sup> Applicant's unique citation designation number (optional). <sup>2</sup> See Kinds Codes of USPTO Patent Documents at [www.uspto.gov](http://www.uspto.gov) or MPEP 901.04. <sup>3</sup> Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). <sup>4</sup> For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. <sup>5</sup> Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST.16 if possible. <sup>6</sup> Applicant is to place a check mark here if English language translation is attached.

This collection of information is required by 37 CFR 1.97 and 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

If you need assistance in completing the form, call 1-800-PTO-9199 (1-800-786-9199) and select option 2.

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

Substitute for form 1449/PTO

## INFORMATION DISCLOSURE STATEMENT BY APPLICANT

(Use as many sheets as necessary)

Sheet	7	of	8
-------	---	----	---

**Complete if Known**

Application Number	New Application
Filing Date	October 19, 2006
First Named Inventor	Brannon et al
Art Unit	3672
Examiner Name	Tsay
Attorney Docket Number	020569-01802 (P203-1318B-US)

## U. S. PATENT DOCUMENTS

[illegible]

## FOREIGN PATENT DOCUMENTS

[illegible]

Examiner Signature		Date Considered	
-----------------------	--	--------------------	--

\*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. <sup>1</sup> Applicant's unique citation designation number (optional). <sup>2</sup> See Kinds Codes of USPTO Patent Documents at [www.uspto.gov](http://www.uspto.gov) or MPEP 901.04. <sup>3</sup> Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). <sup>4</sup> For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. <sup>5</sup> Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST.16 if possible. <sup>6</sup> Applicant is to place a check mark here if English language Translation is attached

This collection of information is required by 37 CFR 1.97 and 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, P.O. Box 1450, Alexandria, VA 22313-1450. **DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.**

**If you need assistance in completing the form, call 1-800-PTO-9199 (1-800-786-9199) and select option 2.**

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

Substitute for form 1449/PTO  <b>INFORMATION DISCLOSURE STATEMENT BY APPLICANT</b>  (Use as many sheets as necessary)			<b>Complete if Known</b>		
			Application Number	10/803,258	
			Filing Date	March 18, 2004	
			First Named Inventor	Brannon et al	
			Art Unit	3672	
			Examiner Name	Tsay	
Sheet	8	of	8	Attorney Docket Number	020569-01802 (P203-1318B-US)

NON PATENT LITERATURE DOCUMENTS			
Examiner Initials*	Cite No. <sup>1</sup>	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T <sup>2</sup>
FT		WOOD, et al; Ultra-Lightweight Proppant Development Yields Exciting New Opportunities in Hydraulic Fracturing Design; SPE 84309; Society of Petroleum Engineers, Inc.; 2003	
FT		GUPTA et al; The History and Success of Liquid CO2 and CO2/N2 Fracturing System; SPE 40016; Society of Petroleum Engineers, Inc.; 1998	

Examiner Signature	/Frank Tsay/	Date Considered	11/20/2006
-----------------------	--------------	--------------------	------------

\*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

<sup>1</sup> Applicant's unique citation designation number (optional). <sup>2</sup> Applicant is to place a check mark here if English language Translation is attached.

This collection of information is required by 37 CFR 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

If you need assistance in completing the form, call 1-800-PTO-9199 (1-800-786-9199) and select option 2.